

THE · TECH



VOL.
19.

NO.
16.

FEB. 15

1900.

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THE TECH

VOL. XIX.

BOSTON, FEBRUARY 15, 1900.

NO. 16.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

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HENRY H. SAYLOR, 1902, *Assistant Editor in Chief*.

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OFFICE HOURS:

Editor in Chief, Monday, 12-1 P. M.
Business Manager, Saturday, 12-1 P. M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

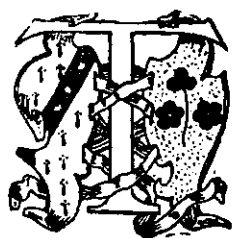
Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

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For all kindes of endeavor;
And yet the palm goes only to
We menne whoe are most clever.
Soe lette eache manne attempte that bee
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Toe bringe suche educatione:
Juste reade ye Tecche; ande thatte alone
Insures your graduation.



THE opening of the new term brings its changes to all departments of Institute life. The past vacation has given a much needed rest from the grind accompanying the "Semies," and

we re-enter our work with renewed vigor and the determination to make the most of our opportunities. Some changes made necessary by pressure of work in the fourth year have taken place in the personnel of the Board of Editors of THE TECH, and new men are now in control. It is unfortunate that the Freshman class is still unrepresented on the Board. THE TECH aims to be a thoroughly representative paper, but without representation of all classes this purpose is defeated. Many men have the idea that the work on the Board interferes with the work of the students. It has, however, been the experience of past editors that the small amount of time required for editorial work not only does not interfere with our primary tasks at Technology, but keeps a student from falling into the rut of humdrum life which is too prevalent here. The number of men on the Board is not fixed by rule, so that no man of average ability need hesitate to try. The Editor-in-Chief will be glad to meet any candidates and render any assistance in his power.



It was with considerable disappointment that Technology enthusiasts heard the result of the relay race with Bowdoin on Saturday, February 3d, for it had been hoped that a repetition this year of the brilliant record made by last season's relay team would occur.

The slow time in which the race was run shows plainly that our team was not in the best of condition, which was, in a large measure, due to temporary lack of training.

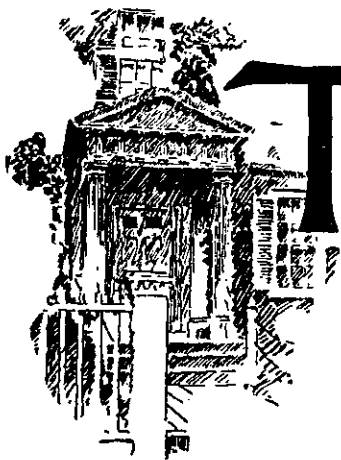
The result emphasizes the wisdom of the management in not entering the team in the Boston College Meet, which took place the

week previous, and just in the midst of the examinations, when the team could not possibly have been in any sort of condition. However, success cannot always be ours, and we hope that this defeat may prove a fresh incentive to encourage our team to victory in succeeding meets.



THE announcement of rehearsals for the Medicine Man calls to mind the great popularity and success, financial and social, of the Minstrel show of '99. The character of the production made possible a larger cast than the ordinary play affords. This made the show more perfectly representative of

Tech. and more cosmopolitan, and seems to have been the secret of its popularity. Profiting by the experience of last year, the management should give us a production eclipsing its predecessor, and from present indications this seems inevitable. THE TECH. wishes the Comic Opera the full measure of success in the support of the friends of Technology.



THE new option which has been introduced into the courses of Civil Engineering and Architecture fills a peculiar want. Landscape Architecture in American schools and colleges has not been a subject of treatment commensurate with its practical importance. The Institute's taking up the course at this point is highly significant of the growing need for a better treatment and broader conception of the true value of

Landscape Architecture. As the announcement made by the Faculty in regard to the course states, the Institute is particularly well fitted to undertake such a course. It is probable, judging from the fairly large number of students who have already this year decided to pursue the course, that next year the sure appreciation of the value of the course which fills the breach between Civil Engineering and Architecture, will be still further shown.

Captain Bordman's Court Martial.

Captain John Bordman, Jr., of the 26th regiment, who last year had charge of the course in Military Science at the Institute, was tried last week by the court-martial for an alleged violation of Article 62 of the Articles of War. It appears that a notorious bandit named Pedro Gargenero was captured on the Island of Panay. Major Barker on his tour of inspection of the island gave orders to Captain McDonald, in whose custody Gargenero was held, that complete protection should be given the bandit. The newspaper version of what then took place is:

"The day following, December 27, Captain Bordman returned from his visit to army headquarters in the City of Iloilo, announced that he had orders from the commanding general to take possession of the bandit, and demanded the custody of the prisoner. Captain McDonald turned over Gargenero to Captain Bordman. Gargenero was conducted into the presence of a priest of the native faith and given an opportunity for confession. After that he was marched, under a guard of soldiers, to the cemetery, where he was compelled to kneel over an open grave, prepared to meet his death. The bandit was struck twice in the back, being knocked senseless, but not dying immediately. Ten bullets were fired into his body in the presence of Captain Bordman, Dr. Gilchrist and six men of Captain McDonald's company."

The trial of Captain McDonald under Arts. 61 and 62 takes place this week at Iloilo. The prosecution took the ground that Gargenero was a United States prisoner at the time of his execution.

Landscape Architecture.

A new option has been introduced into Courses I. and IV.—Landscape Architecture. The following account is condensed from the preliminary announcement.

The course, as provisionally laid out, includes in the second year Horticulture, Elementary Architectural Design, Shades and Shadows, Perspective, Freehand Drawing, Surveying, Topographical Drawing and Dynamical Geology, with the usual general courses in Physics, Language and History. In the third year the same general lines of work will be followed, with work in Horticulture at the Arnold Arboretum, Architectural and Landscape Design, Architectural History, Freehand Drawing and Pen and Ink: Stadia and Plane Table Surveying, Curves and Earth-work, Highway Engineering and Structural Geology. In the fourth year, Landscape Architecture and Design and Horticulture will be the main features, with courses in Sanitary Engineering and Drainage, Building Stones and Sanitary Science, History of Ornament, Life Class, Modelling, Pen and Ink, Water Color, Specifications and Working Drawings and Business Relations.

Students in the second year of Course IV. taking the new option will be given an opportunity to make up Surveying by a brief summer course (without extra charge for tuition). Students in Course I. will have a similar opportunity for making up the first term Architectural work.

Among other opportunities afforded, the Institute is within convenient reach of the Arnold Arboretum, and an arrangement has been made with the Director, Prof. C. S. Sargent, by which students will receive a part of

their instruction there, particularly in all that relates to planting and the use of plants and trees. With this work at the Arboretum will be combined a series of excursions to neighboring parks and country places in order to study examples of planting and design. The special instruction in Landscape Design will be conducted by Mr. Guy Lowell.

Northwestern Alumni Association Banquet.

The thirteenth annual banquet of the Northwestern Alumni Association was held Saturday evening, February 3rd, at the University Club, Chicago.

Following a most enjoyable dinner came the roll-call of the classes. As each class was called, the alumni of the class present responded by rising, and in most cases were made to give their class yell. A letter was read from Professor Holman, who was given the long Technology cheer. After an address by President Litchfield, Professor Niles, as the representative of the Faculty, was introduced. Professor Niles spoke very interestingly and enthusiastically on the growth, development and future of the Institute. Mr. Frank Canover, '76, of Dayton, Ohio, related in verse the trials of a "lawyer-editor" during "Twenty-Five Years Without a Degree." Geo. W. Patterson, Jr., '87, Junior Professor of Physics at the University of Michigan, read an interesting paper on the manufacture, uses and commercial value of liquid air. The reading of the paper was supplemented by actual experiments, which showed the explosive as well as the refrigerating properties of the air.

At the business meeting held prior to the banquet the following officers were unanimously elected for the ensuing year: I. W. Litchfield, '85, President; E. L. Andrews, '94, Vice-President; Ed. M. Hagar, '93, Secretary and Treasurer; C. M. Wilkes, '81; Solomon Sturges, '87; L. D. Gardner, '98.

The B. A. A. Meet.

The relay team met Bowdoin at the B. A. A. Meet on February 3d, and was beaten by a margin of 25 yards in the slow time of 3 minutes, $17\frac{2}{5}$ seconds. Failure on the part of M. I. T. to do better work can be ascribed to lack of condition, the examination period causing a break in training which plainly affected the work of every man. Almost at the last minute, Priest was compelled to give up training and Pope was substituted.

For the first time in several years, M. I. T. lost the toss for position, and Edwards of Bowdoin took the pole, with Hall on the outside. With the sound of the gun, Hall made a hard effort to get the pole. Both men caught the first corner together and raced down the first stretch abreast. At the second corner, Hall was forced to drop in behind. Edwards cut out a fast pace, but was unable to shake Hall, and the two finished with barely a yard between them. Pope was slow in getting away from the touch-off and Cloudman, the big dash man, opened up four yards by the time Pope got going. Pope held his own for the first lap, but then his condition began to tell and on the second lap Cloudman increased his lead to 10 yards, with Pope showing signs of distress. On the third lap Pope was pounding heavily, and Snow, of Bowdoin, started 25 yards ahead of MacMaster. MacMaster cut out a fast lap at the start and reduced the lead six or eight yards, the second lap found him holding his own, but on the third lap the effort told on him and Snow handed Kendall about the same lead of 25 yards he had received from Cloudman. Garret started out at a tremendous pace and, had he been in condition, he would have made things interesting for Kendall. As it was, he picked up 8 or 10 yards on the first two laps and held his own on the last, and Bowdoin crossed the line a winner by 18 yards.

The result of the race, while not unex-

pected, was a severe disappointment to the management, who had hoped to put a fast team on the track. The setting of the dates for the two big indoor meets so near our examination period, however, made impossible the good showing of last year.

Walker Club Theatricals.

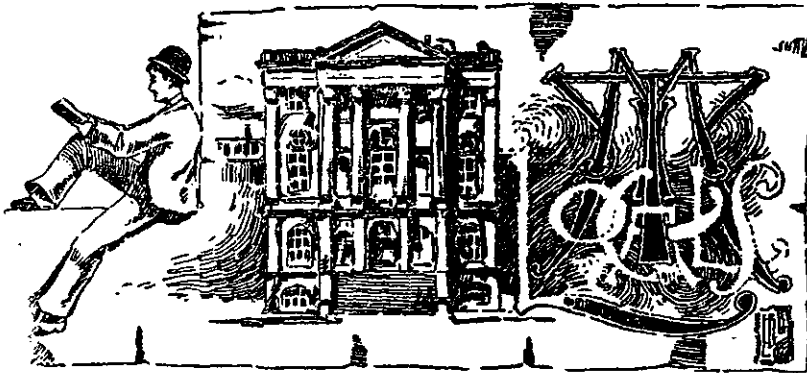
The Walker Club will produce a play this year in Junior week. A meeting of the club was held on Friday, February 9th, in which the committee to decide on the play to be given made its report. The committee decided on a play of more permanent value than those which have been produced in former years. The special significance of this play given at this time is that it forms a part in the revival movement now going on, and "The Miser," written by Moliere, will afford great opportunities for the club. "The Miser" was adapted into the English in the eighteenth century by Henry Fielding, and has been modified and arranged in the present instance by Professor Bates. Rehearsals will begin shortly. The committee for deciding on the play consisted of Professor Bates, J. P. Draper, '00, and E. H. Davis, '01. The management of the play will be in the hands of W. W. Dow, '01.

A New College Monthly.

The students of the University of Pennsylvania are to be congratulated upon having pushed to a successful conclusion their efforts to establish a new comic college monthly. The new publication is to be called "The Punch Bowl" and the first number will appear on February 25, for the month of March. The subscription price is one dollar per year; single copies ten cents.

"Percy is a sweet boy," said Alice.

"Oh, yes," said Jack, "he is not a bad fellow in his way, but, confound him, he's nearly always in my way!" — Ex.



Designs for the 1902 Class Dinner menu will be received by the Dinner Committee until March 1st.

There will be a 1900 Class meeting on Friday, February 16th. The Portfolio and Photographic Committees will be considered.

The annual dinner and reunion of the Class of '77 will be held at the Technology Club, 71 Newbury Street, on February 13, at 6.30 P. M.

Prof. Frank Vogel will give an illustrated reading from *Hermann & Dorothea*, before *Die Gesellschaft*, Thursday afternoon, February 15, at 4.15 P. M.

The Trophy Room, though still with very few trophies, is further on towards serving its intended end since the vacation. Those who intend to place their individual trophies there should do so as soon as possible.

In the last issue of THE TECH, C. A. Whittemore's name was omitted from the list of mentions in Third Year Design. Mr. Whittemore received a third mention on the design for An Entrance to a Court House.

The 1903 Dinner Committee consists of B. Nields, Jr., Chairman, S. A. Foster, R. A. Burr, F. U. Davis and R. P. Marsh. A ticket to the dinner is offered by the committee for the best design submitted for the menu.

Society Editor Bickford, of '01 *Technique*, is anxious to have the correct lists of officers and members of all clubs or associations desiring insertion in this year's volume, at a very early date. The book goes to press soon, so delay means the unavoidable omission of your society.

At the 6th regular meeting of the Architectural Society on February 9th, Merrill, '01, and J. C. Fruit, '02, were elected to the Society. It was voted that a prize of five dollars be awarded to the competitor offering the best drawings for the Society's insertion in *Technique*.

Harry H. Hamlin, ex-1900, a member of the Mandolin Club last year, who was prevented from returning to the Institute last fall by an attack of typhoid fever, is a student at Bowdoin College. He is a member of the Mandolin Club at Bowdoin, and was in town with that organization on its concert tour last week.

The second-year mentions in design in the india-ink rendering of the Doric Order for last term were as follows: First mention, Kern, A. R. Nichols, E. B. MacNaughton; second mention, W. J. Wellman, P. R. Whitney, H. E. Bartlett, I. R. Adams; third mention, C. H. Boardman, A. C. Wood, M. Goldenberg.

At a meeting of the Class of 1902, Monday, February 12th, it was decided to hold the Class Dinner, Friday evening, March 9th, at the Vendome. Hervey, Simpson, Mullaly and Bosworth, *ex officio*, comprise the committee on competitive drill to confer with the Freshman Class as to arrangements for a drill this year. The style of class cane was also decided upon.

Class Histories for *Technique* must be handed in by February 20. All verse and grinds should be handed in by that date. Arrangements can be made with the editors of *Technique* for contributions to be made after that date. A later limit will be made for contributions of verse and grinds; but everything received after the 20th of this month, without special arrangement, will be treated as second-grade material, and will not receive as careful consideration. Address, Box 141, "Cage."

In addition to the Wellesley concert of last Monday night, the musical clubs are scheduled to appear in the near future; at Reading, Friday (to-morrow) night, concert followed by a dance; Tuesday, February 20th, a concert and dance at the Calumet Club, in Winchester; Thursday, the twenty-second, a concert at the Everett Y. M. C. A.; Thursday, March 1st, concert at Cambridge Y. M. C. A.; Saturday, March 10th, at the Colonial Club, and Thursday, the twenty-ninth, at the Boston Y. M. C. A.

In the competition offered by the management of THE TECH for the position of Assistant Business Manager, all members of the Institute are eligible, but the position is offered particularly to the members of the Class of 1903. The gaining of the position will depend almost entirely on the ability shown in getting advertisements for THE TECH, a five per cent commission being granted on every advertisement obtained. The management may be seen regularly on Saturdays between twelve and one o'clock.

Communications.

The Editors do not hold themselves responsible for opinions expressed by Correspondents.

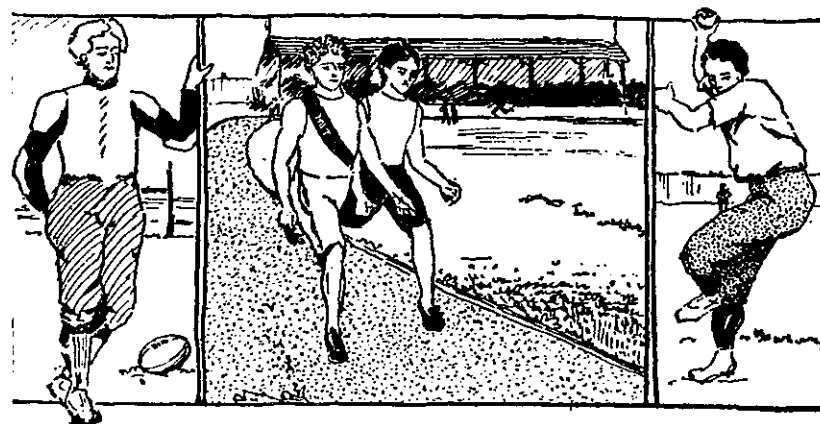
TO THE EDITORS OF THE TECH:—

I beg leave to comment on one of the incidents of the recent semi-annual examinations held at the Institute. I refer to the lecture on 4th Year Applied Mechanics, held on the evening of Jan. 16, in Room 22, Engineering Building. The object of the lecture was to prepare men for the examination in that subject held two days later. The sum of \$2.50 was charged for admission, and some forty 4th-year men attended.

That the lecturer belonged to the instructing staff and that he was permitted to use a room in one of the Institute buildings are interesting facts, but causes one to question the propriety of the whole proceeding. It is surprising, too, that so large a proportion of a class considered it necessary to attend the lecture, for, otherwise, it is hard to imagine a man's paying \$2.50 for the privilege.

The system is, to say the least, very unfortunate.

"I."



H. T. Winchester, '03, captured first place in the 16-lb. shot put at the Boston College Meet with a clever put of 36 feet, 9 inches, and a 5-foot handicap.

J. W. Horr, ex.-'02, the fast hurdler of last year's track-team, won second place in the 40-yard low hurdles at the B. A. A. Meet. Shephard, ex.-'01 and Pope '02 "also ran."

More men and enthusiasm are desired for the Relay Team. Coachers will be found at the gym. every afternoon to take charge of candidates. Meets in the near future demand faithful and persevering work if Tech. is to win.

The gymnasium will be occupied Thursday evening, February 22, by the winter meet of the Roxbury Latin School, A. A. There are several open events and chances for Tech. men to enter and have the advantage of familiar surroundings.

Manager Hilken, of the football team, has games scheduled with Brown, Wesleyan, Amherst, N. H. State, Exeter, Andover and Tufts. Tech. will also probably meet Boston College and Holy Cross next fall. The Varsity pictures are to be had at the Cage.

During the last year five world's records have been broken and innumerable college records bettered. Krauzlein of U. P. holds two, the 120-yd. hurdles in $15\frac{2}{5}$ s. and the running broad jump of 24 feet, $4\frac{1}{2}$ in. The hammer throw now stands at 167 feet, by Flanagan. Emery in the standing broad jump holds the record at 11 feet, $\frac{1}{2}$ inch.

The hockey team defeated a picked team on Franklin Field, Dorchester, yesterday afternoon, 5-1. The line-up:

M. I. T. — Hill f, Smith f, Walworth f, Trenholme f, Burr cp, Kingman p, Howe g.

Picked team — McLeod f, Hendrie f, Smith f, Falvey f, Brant cp, Clapp p, Edwards g.

Score, M. I. T. 5, picked team 1. Goals made, by Smith 2, Walworth 2, Hill, McLeod. Referee, Field. Time, 20-m. periods.

Harvard beat M. I. T. on Soldiers' Field, February 7th, 8-4. The game was encouraging, as Tech. had had no practice during the long vacation. Smith, Walworth and Hyde did well for Tech. Beardsell, Russell and Vanderpool starred for Harvard. The line-up was:

Harvard. — Beardsell f, Hardy f, Hoxie f, Laverack f, Vanderpool cp, Russell p, Goodridge g.

M. I. T. — Magnitzky f, Walworth f, Smith f, Burr f, Hyde cp, Howe p, Pope g.

Time, two 20-m. periods. Goals; Beardsell 3, Laverack 2, Hardy 2, Hoxie 1, Magnitzky 2, Walworth 1, Smith 1.

Calendar.

Thursday, February 15. — Meeting of Die Gesellschaft, 4.15 P. M.

Friday, February 16. — 1900 Class Meeting.

Friday, February 16. — M. I. T. Yacht Club. Rogers, Room 22.

Friday, February 16. — Meeting Chauncy-Hall Club. Rogers. Important.

Monday, February 19. — Regular Meeting of THE TECH Board. TECH Office.



'86. Mr. M. A. Viele, II., has opened an office in Schenectady, N. Y. as Consulting Civil and Hydraulic Engineer.

'88. Mr. Wm. H. Gerrish, II., has left the U. S. A. Ordnance Department and become the mechanical engineer of the Flax Spinning Co., at Paterson, N. J.

'90. Mr. A. H. Adams, II., has gone to London to work for the Sturtevant Engineering Co. there.

'94. Mr. B. S. Harrison, IV., has opened an office for himself as architect in Lacross, Wis.

'96. Mr. William H. McAlpine, XI., has been appointed as Hydrographer in the United States Navy, on U. S. S. Ranger, connected with the Mare Island Navy Yard.

'97. Mr. Jas. T. Baker has left Thayer, McNeil & Hodgkins for the managership of a large shoe concern in Scollay Square.

'98. Mr. Frank B. Heathman, IV., of Dayton, Ohio, was married on Tuesday, Nov. 14, to Miss Grace L. Brooks, Smith, '97, of Roxbury. Mr. Rudolph Tietig, IV., of Cincinnati, was the groom's best man.

'99. Mr. Chas. Barnard Page, XIII., is in the shop of the Maryland Steel Co., at Sparrows Point, marking out work for all the machine tools. He is now getting out the machinery and structural parts for four new U. S. torpedo-boat-destroyers.

'99. A. F. Nathan, X., is working for the American Mining Co. at Joplin, Mo.

'99. Walter R. Bean, XIII., is with Newport News Shipbuilding and Dry Dock Co.

'99. W. Malcolm Corse, V., is with W. S. Merrill Chem. Co., Cincinnati, O.

"THE GIRLS ARE FOND OF THESE"

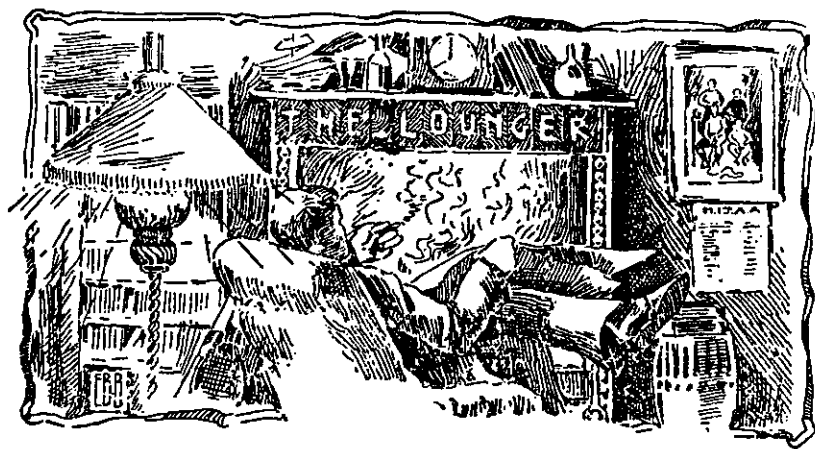
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The day of promise and disappointment has come again; and THE LOUNGER, seeking further acquaintance with things technical and scientific, in the hope of bettering his previous record of five flunks out of a possible eight, again places his heels on the editorial mantelpiece and fancies the diploma that so skillfully evaded him last spring to be hanging by a thread before him now, inviting him only to reach and possess. As he carelessly shuffles his pack of provisional tabular-views, his thoughts go far back,—back to the time when he had only one study schedule to look over, not three. He thinks of the time when everything was in the future, and when everything was possible; of the time when he was ambitious and hopeful, when the Secretary's Office had no terrors for him and the Annual Catalogue seemed to be new and exciting. Closing his eyes, THE LOUNGER yields to the subtle influences of the thinking habit and continues to meditate. With his thoughts far back in his earlier years, he pictures the gradual awakening, the breaking off from Freshman traditions,—the discovery that the Janitor was not the Secretary and that the Y. M. C. A. was not a Greek letter fraternity. Mentally rambling through his Sophomore adventures, once more he makes the acquaintance of the symbol of the double-flunk, and in this glowing recollection his memory merges easily and naturally into his Junior era. As he looks on his newly arranged tabular view, he realizes that much of this is still stern reality; and then—then—it is but a step to the next epoch—the last—and to his experiments with the recent one-page publications of the Institute. And of those—ah—he does not want to think of those! He has turned to the Future; and as he cogitates upon this in its turn, he forsees another siege of Institute circulars, then a large attendance at Huntington Hall, and finally a long, white, parchmentary thing, cylindrical and smooth, tied with a ribbon. There is a general rising; he moves in a long line of class-mates toward the stage; slowly he comes nearer and nearer to the step, on one side of which he is a student, and on the other a graduate; finally his course is reached; the name of the man just before him is called; the President reaches for the next diploma; slowly he takes it, and—there is a sud-

den noise: quickly he stirs, stretches, yawns,—and it is all over. Had the Business Manager waited for another moment, THE LOUNGER would have been an S. B.



THE LOUNGER appreciates as well as his poor befunked brethren the inadvisability of dwelling too long upon a sensitive topic; and nothing could move him to resume discussion upon the subject of the recent semi-annual obsequies were it not that he believes that the following revelation will come as a new hope to many a despairing victim, and, thus bringing an altogether foreign spirit of gladness upon the scene, will find in the minds of the readers a pardon for its introduction. Or, to clothe the spirit of this piece of verbal fireworks in a more comprehensible phraseology, he believes that this article will serve as its own excuse. It has perhaps been noted by some of the more observing of THE LOUNGER's readers that in the late-and-still-lamented examination returns, the spice of variety was seldom lacking upon any one report. Few indeed were those who pulled all flunks; and fewer yet, fortunately, were those "anomalies of person and circumstance" where the report read all C's. The marks spread from the one pole to the other, embracing in their universality every denomination of symbolic mental indignity known to the Institute schedule. The most of these, it is true, fell in the intermediate places—within the area of the P or the L:—yet often the preponderance came below even the latter level, resulting in what might be styled a symphony in F. One Institute scion—a Senior, may tears attend the title!—was endowed with so decidedly harmonious a report of this nature that even the Secretary felt impelled to send him a few words of congratulation thereupon. The text of this gratifying epistle was somewhat after the manner that follows:

"Dear Sir:—Unless an improvement is shown in your work next term, you will not be allowed to continue your studies at the Institute next year."

The effect of this upon the culprit was electrifying. He had feared that it was all up with him, that it would be necessary for him to take another year at Technology. Necessary to take another year at Technology? Why, was not here a notice from the head man distinctly against such a notion! Even the instructors had said that it was a case of his getting his sheepskin either this year or next: the Secretary had thrown out the next: ergo, it was coming in this! Deep in the spirit of gratitude to his governing planets, the Senior delightedly hied himself to the Chapel, where he returned thanks from his regular tap and in the usual manner. And to all others, THE LOUNGER sends this advice: look out for a harmonious report in F, get a letter from the boss, and then—don't forget the Chapel.

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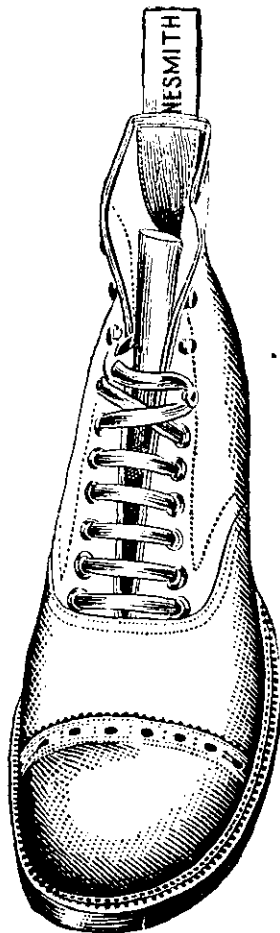
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Tremont Theatre. — "The Ameer," Frank Daniels' new Comic Opera, will remain another week at the Tremont. As the "Ameer" Mr. Daniels has scored, according to the critics, a most emphatic "hit."

Hollis Street Theatre. — "The Tyranny of Tears," presenting John Drew and Isabel Irving in the leading roles, is a comedy of temperament that is deservedly popular. It is a delightful play, beautifully acted. There will be a matinee on February 22nd.

Boston Museum. — Last year we all saw "The Girl from Paris," "The Circus Girl," "The Runaway Girl," and a few others; but "The Girl from Maxims" seems to possess an irresistible fascination just now that attracts every playgoer in Boston to the Museum.

Castle Square Theatre. — The dramatized version of A. Conan Doyle's novel "The Firm of Girdlestone," to be presented at the Castle Square, promises to add one more to the list of successful plays founded on popular novels that are so much in vogue this year.

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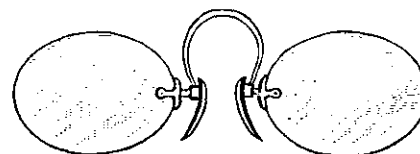
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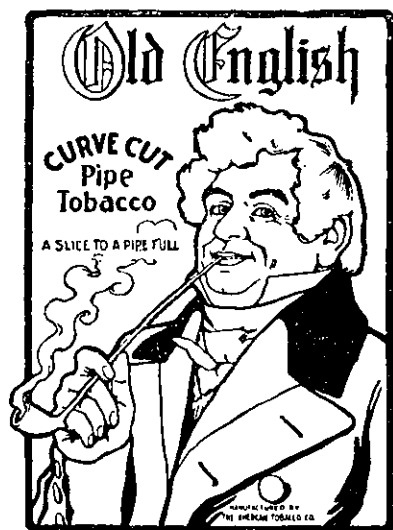
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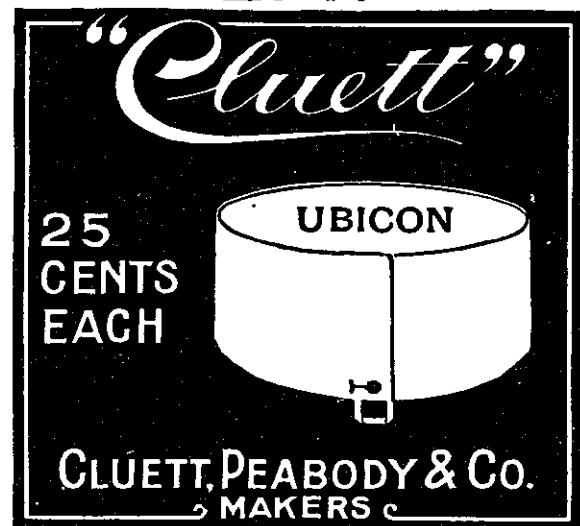
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